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DERWENT-ACC-NO: 2003-312947
DERWENT-WEEK: 200819
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TITLE: Intonation generating method for speech synthesis application, involves correlating
predicted rough profile intonation pattern and selected optimum intonation pattern, with features
of pre-recorded speech

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PATENT-ASSIGNEE: IBM CORP (IBMC), INT BUSINESS MACHINES CORP (IBMC)

PRIORITY-DATA: 2002JP-072288 (March 15, 2002), 2001JP-251903 (August 22, 2001), 2002WO-JP07882
(August 1, 2002), 2005US-784044 (January 24, 2005)

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PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE
☐	WO 03019528 A1	March 6, 2003	JA
☐	AU 2002318588 A1	March 10, 2003	EN
☐	JP 2003522906 X	December 16, 2004	JA
☐	CN 1545693 A	November 10, 2004	ZH
☐	US 20050114137 A1	May 26, 2005	EN
☐	IN 200400340 P4	December 23, 2005	EN
☐	CN 1234109 C	December 28, 2005	ZH
☐	JP 4056470 B2	March 5, 2008	JA

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW AT
BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ
TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO2003019528A1	August 1, 2002	2002WO-JP07882	
IN 200400340P4	August 1, 2002	2002WO-JP07882	

AU2002318588A1	August 1, 2002	2002AU-318588	
CN 1545693A	August 1, 2002	2002CN-816339	
CN 1234109C	August 1, 2002	2002CN-816339	
JP2003522906X	August 1, 2002	2002WO-JP07882	
JP 4056470B2	August 1, 2002	2002WO-JP07882	
JP2003522906X	August 1, 2002	2003JP-522906	
JP 4056470B2	August 1, 2002	2003JP-522906	
IN 200400340P4	February 18, 2004	2004IN-CN00340	
US20050114137A1	January 24, 2005	2005US-784044	Based on

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INT-CL-CURRENT:
TYPE  IPC            DATE
CIPP  G10 L 13/08    20060101
CIPS  G10 L 13/08    20060101
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ABSTRACTED-PUB-NO: WO 03019528 A1
BASIC-ABSTRACT:

NOVELTY - A rough intonation pattern profile is predicted for a text, based on the stored language information of the text. The actual utterance intonation patterns are stored in a database in accordance with the predicted intonation patterns. An optimum intonation pattern selected from the database and the predicted intonation pattern are correlated with the features of a pre-recorded speech.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) speech synthesizing device using intonation generation method; and

(2) voice server.

USE - For generating intonation for speech synthesis applications.

ADVANTAGE - Utilizes stored actual speech utterance FO patterns effectively to reproduce flexible, natural and accurate speech, reliably.

DESCRIPTION OF DRAWING(S) - The figure shows a profile of the derived optimum FO shape segment. (Drawing includes non-English language text).

ABSTRACTED-PUB-NO: WO 03019528 A1
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.6/14

DERWENT-CLASS: P86 W04
EPI-CODES: W04-V04C;